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BULK COOLING TANKS

on farms

*supplying federal
milk order markets*

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DAIRY DIVISION
CONSUMER AND MARKETING SERVICE
UNITED STATES DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C.

C&MS-22 AUGUST 1966

BULK COOLING TANKS ON FARMS
SUPPLYING FEDERAL MILK ORDER MARKETS, JANUARY 1966

In January 1966, producers who used bulk milk cooling tanks represented nearly 78 percent of all producers who delivered milk to handlers regulated under 72 comparable Federal milk order markets. These producers delivered nearly twice as much milk per producer as did those who shipped in cans, and they supplied 86.7 percent of the total amount of milk received from producers in these markets. Daily deliveries of milk per producer for those using bulk tanks averaged 1,058 pounds, while can shippers averaged only 571 pounds per day per producer.

As shown by the following summary, conversion to bulk tanks is virtually complete in most of the 72 markets:

<u>Percentage of total de-</u> <u>liveries received from</u> <u>bulk tank producers</u>	<u>Number</u> <u>of</u> <u>markets</u>
100.0	28
95.0 - 99.9	34
90.0 - 94.9	1
85.0 - 89.9	8
47.5	1

Information from a group of 64 markets for which data were available for the past six years shows the extent to which producers have converted to bulk handling of milk. In January 1961, receipts from producers having bulk tanks represented 66.6 percent of the total in this group of markets. In 1966, bulk tank milk represented 85.9 percent of total receipts from producers in the 64 markets.

The number of bulk tanks, by size, was reported for 63 markets. Producers in these markets used a total of over 89 thousand tanks, most of which (55.5 percent) had capacities of 200-399 gallons. More than one-third of the tanks had capacities of 400 gallons or more, while tanks of less than 200 gallons accounted for only 8.2 percent of the total number reported.

This report was issued in January 1958 as AMS-261, "Survey of Bulk Milk Tanks on Farms of Producers Marketing Milk in Federal Order Markets." It was issued in July 1959 as "Bulk Milk Cooling Tanks on Farms of Producers Marketing Milk in Federal Order Markets, January 1959." It was issued under its present title in June 1960. It was issued under the present title (without the AMS series number) by the Agricultural Stabilization and Conservation Service in 1961, while that agency administered the Federal milk order program. It was last issued under the present title in June 1964. The name of the agency was changed to Consumer and Marketing Service in February 1965.

Table 1.--Milk receipts from producers having bulk milk tanks as percentage of total receipts from producers by handlers regulated under Federal milk orders for the month of January, 1961-66

Marketing area	Bulk as percentage of total					
	1961	1962	1963	1964	1965	1966
NEW ENGLAND			Percent			
Massachusetts-R. I. <u>1/</u>	61.5	70.1	81.8	87.7	90.5	95.3
Connecticut	<u>2/</u>	86.1	89.2	90.3	94.9	97.6
Group total					91.6	95.9
MIDDLE ATLANTIC						
New York-New Jersey	27.2	30.5	34.5	36.1	40.9	47.5
Delaware Valley <u>3/</u>	38.8	56.3	74.6	81.0	83.1	89.2
Group total					46.9	53.5
SOUTH ATLANTIC						
Upper Chesapeake Bay	82.0	90.1	93.7	97.7	98.5	99.5
Washington, D. C.	96.7	98.0	98.0	98.2	99.0	99.3
Wheeling	55.9	73.9	90.0	91.3	91.7	95.2
Clarksburg	9.8	71.8	86.9	87.2	87.6	92.1
Tri-State	80.4	86.0	89.8	95.8	97.8	98.3
Appalachian <u>4/</u>	86.4	93.3	99.9	100.0	100.0	100.0
Tampa Bay	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	<u>2/</u>	100.0
Southeastern Florida	100.0	100.0	100.0	100.0	100.0	100.0
Group total					98.3	99.0
EAST NORTH CENTRAL						
<u>Eastern Group</u>						
Upstate Michigan	81.7	97.3	97.5	98.3	100.0	100.0
Southern Michigan <u>5/</u>	69.4	73.0	78.2	84.1	91.1	95.2
Northwestern Ohio <u>6/</u>	84.9	90.4	93.2	98.2	99.5	96.9
Northeastern Ohio	48.3	56.9	65.1	73.3	82.5	88.8
Columbus	79.2	100.0	100.0	100.0	97.1	96.7
Dayton-Springfield	92.6	100.0	100.0	100.0	100.0	96.6
Cincinnati	66.5	73.1	78.8	81.0	84.1	89.7
Youngstown-Warren	<u>2/</u>	58.4	75.2	79.3	77.3	86.9
Group total					90.1	93.5
EAST NORTH CENTRAL						
<u>Western Group</u>						
Mich. Upper Peninsula	20.0	48.1	54.8	74.9	84.1	85.8
Northeastern Wisconsin	89.8	95.5	95.6	96.8	97.6	98.4
Milwaukee	93.3	96.0	99.3	99.2	99.5	99.7
Rock River Valley <u>7/</u>	100.0	100.0	93.0	99.3	100.0	100.0
Chicago	87.1	91.2	94.5	96.7	98.1	99.5
Northwestern Indiana <u>8/</u>	95.2	95.8	97.6	99.1	100.0	100.0
Fort Wayne	22.5	62.1	74.1	77.8	81.7	97.9
Louisville-Lexington-						
Evansville <u>9/</u>	92.6	95.6	98.1	99.0	99.1	99.6
Indianapolis	<u>2/</u>	76.8	92.4	91.9	95.7	98.2
Suburban St. Louis	59.7	66.7	76.2	74.7	82.3	86.3
Madison	<u>2/</u>	<u>2/</u>	97.5	95.3	96.2	96.0
Group total					97.0	98.7

Continued

Table 1.--Milk receipts from producers having bulk milk tanks as percentage of total receipts from producers by handlers regulated under Federal milk orders for the month of January, 1961-66 -Continued

Marketing area	Bulk as percentage of total					
	1961	1962	1963	1964	1965	1966
	Percent					
WEST NORTH CENTRAL						
<u>Northern Group</u>						
Duluth-Superior	61.9	67.6	70.6	76.3	80.5	87.6
Minneapolis-St. Paul	97.4	97.9	98.8	100.0	99.8	99.9
Eastern S. Dakota 10/	98.5	100.0	100.0	100.0	100.0	99.2
Black Hills	100.0	100.0	100.0	100.0	100.0	100.0
North Central Iowa	96.1	96.7	96.2	95.8	96.8	97.8
Cedar Rapids-Iowa City	100.0	100.0	100.0	100.0	100.0	100.0
Quad Cities-Dubuque	96.5	96.7	96.6	97.4	100.0	99.6
Des Moines	94.9	96.1	96.9	97.3	98.6	99.1
Sioux City	100.0	100.0	100.0	100.0	100.0	100.0
Nebr.-Western Iowa 11/	99.3	99.7	99.5	100.0	100.0	99.8
Group total					98.5	99.0
WEST NORTH CENTRAL						
<u>Southern Group</u>						
St. Joseph	2/	96.4	99.6	99.8	99.8	99.4
St. Louis	88.4	91.9	92.5	95.6	95.4	98.1
Ozarks	53.3	69.5	73.4	80.1	83.6	85.9
Kansas City	70.4	81.1	95.1	97.9	99.6	99.7
Neosho Valley	44.3	69.7	89.6	95.9	97.4	100.0
Wichita	90.6	92.8	94.1	99.3	99.6	100.0
Southwest Kansas	85.6	98.2	99.4	99.4	100.0	100.0
Group total					96.5	97.7
EAST SOUTH CENTRAL						
Paducah	85.5	100.0	100.0	100.0	100.0	100.0
Nashville	87.2	96.3	98.9	100.0	100.0	97.4
Memphis	68.5	85.2	96.8	100.0	100.0	100.0
Knoxville	59.7	95.0	99.5	99.7	99.7	99.8
Chattanooga	99.5	100.0	100.0	100.0	100.0	100.0
Mississippi 12/	78.6	88.8	95.0	92.9	98.2	98.4
Group total					99.5	99.0
WEST SOUTH CENTRAL						
<u>Northern Group</u>						
Central Arkansas	93.2	94.9	96.7	97.4	98.2	99.4
Fort Smith	82.0	100.0	100.0	100.0	100.0	100.0
Oklahoma Metropolitan	83.8	90.7	96.4	98.5	99.2	99.6
Red River Valley	85.1	100.0	100.0	100.0	100.0	100.0
Texas Panhandle	96.9	100.0	100.0	100.0	100.0	100.0
Lubbock-Plainview	2/	2/	100.0	100.0	100.0	100.0
Group total					99.4	99.7
WEST SOUTH CENTRAL						
<u>Southern Group</u>						
Northern Louisiana	98.7	99.2	100.0	100.0	100.0	100.0
New Orleans	62.2	83.3	86.7	92.9	99.5	99.7
North Texas	96.6	97.7	98.1	98.5	100.0	100.0

Continued

Table 1.--Milk receipts from producers having bulk milk tanks as percentage of total receipts from producers by handlers regulated under Federal milk orders for the month of January, 1961-66 -Continued

Marketing area	Bulk as percentage of total					
	1961	1962	1963	1964	1965	1966
	Percent					
WEST SOUTH CENTRAL-Con:						
Southern Group -Con:						
Central West Texas	100.0	100.0	100.0	100.0	100.0	100.0
Austin-Waco	91.1	92.7	100.0	93.0	100.0	100.0
San Antonio	100.0	100.0	100.0	100.0	100.0	100.0
Corpus Christi	93.7	95.5	85.2	99.8	89.1	2/
Group total					99.9	99.9
MOUNTAIN						
Eastern Colorado <u>13/</u>	95.3	98.1	100.0	100.0	100.0	100.0
Great Basin	97.9	99.2	99.6	99.9	100.0	99.7
Western Colorado	76.4	100.0	100.0	100.0	100.0	100.0
Central Arizona	99.8	100.0	100.0	100.0	100.0	100.0
Rio Grande Valley	2/	2/	99.7	99.9	100.0	100.0
Group total					100.0	99.9
PACIFIC						
Puget Sound <u>14/</u>	98.9	99.5	99.7	99.7	99.8	99.9
Inland Empire	97.3	98.1	99.4	99.7	100.0	100.0
Group total					99.9	99.9
TOTAL <u>15/</u>					83.6	86.7
TOTAL <u>16/</u>	66.6	72.5	76.6	80.1	82.7	85.9

1/ Boston, Springfield, Worcester, and Southeastern New England combined prior to merger, October 1, 1964. Renamed Massachusetts-Rhode Island.

2/ Federal milk order not effective or data not available.

3/ Philadelphia and Wilmington combined prior to merger, December 1, 1963. Renamed Delaware Valley.

4/ Includes Bluefield prior to merger, March 1, 1961.

5/ Includes Muskegon prior to merger, August 1, 1965.

6/ Toledo and North Central Ohio combined prior to merger, January 1, 1965. Renamed Northwestern Ohio.

7/ Known as Rockford-Freeport prior to June 1, 1962.

8/ Known as South Bend-LaPorte-Elkhart prior to April 1, 1965.

9/ Ohio Valley and Louisville-Lexington combined prior to merger, March 1, 1962. Lexington added March 1, 1960 and Evansville added March 1, 1962.

10/ Includes Sioux Falls-Mitchell prior to merger, May 1, 1965.

11/ Omaha-Lincoln-Council Bluffs and Platte Valley combined prior to merger, November 1, 1961. Renamed Nebraska-Western Iowa.

12/ Mississippi Delta, Central Mississippi, and Mississippi Gulf Coast combined for 1961 through 1964. Mississippi order effective May 1, 1965. January 1965 data for handlers fully regulated during January 1966.

13/ Includes Colorado Springs-Pueblo prior to merger, December 1, 1965. 1961 data for Colorado Springs-Pueblo only.

14/ Data reported for November of previous year, 1961 through 1964.

15/ Percentages are for 72 markets which were regulated entire 1965-66 period.

16/ Percentages based on data for 64 markets for which reports were received for all six periods.

Table 2.--Number and percentage of producers having bulk milk tanks,
Federal milk order markets, January 1965 and January 1966

Marketing area	Number of producers		Percentage of all producers	
	1965	1966	1965	1966
	Number		Percent	
NEW ENGLAND				
Massachusetts-Rhode Island	8,604	8,126	83.4	90.0
Connecticut	1,980	1,933	89.3	91.3
Group total	10,584	10,059	84.4	90.3
MIDDLE ATLANTIC				
New York-New Jersey	10,312	11,452	25.4	30.4
Delaware Valley	4,084	4,124	72.1	79.1
Group total	14,396	15,576	31.1	36.4
SOUTH ATLANTIC				
Upper Chesapeake Bay	2,306	2,364	98.2	99.5
Washington, D. C.	1,876	1,783	96.8	97.8
Wheeling	675	687	86.1	92.2
Clarksburg	270	281	86.3	92.4
Tri-State	1,685	1,528	97.0	97.1
Appalachian	823	793	100.0	100.0
Tampa Bay	1/	179	---	100.0
Southeastern Florida	85	86	100.0	100.0
Group total	7,720	7,522	96.1	97.7
EAST NORTH CENTRAL				
<u>Eastern Group</u>				
Upstate Michigan	224	208	100.0	100.0
Southern Michigan <u>2/</u>	10,424	10,177	81.8	88.9
Northwestern Ohio	1,676	1,490	98.8	92.4
Northeastern Ohio	4,009	4,165	66.5	78.0
Columbus	1,574	1,497	93.7	93.4
Dayton-Springfield	1,417	1,297	100.0	93.5
Cincinnati	2,311	2,626	74.9	82.4
Youngstown-Warren	516	600	64.5	77.5
Group total	22,151	22,060	80.0	86.3
EAST NORTH CENTRAL				
<u>Western Group</u>				
Michigan Upper Peninsula	402	390	75.9	77.7
Northeastern Wisconsin	1,263	1,348	96.9	97.8
Milwaukee	2,229	2,290	99.3	99.4
Rock River Valley	321	320	100.0	100.0
Chicago	15,347	13,561	97.0	99.0
Northwestern Indiana <u>3/</u>	575	1,117	100.0	100.0
Fort Wayne	659	824	71.6	94.4
Louisville-Lex.-Evans.	3,245	3,243	99.4	99.4
Indianapolis	3,293	2,904	91.7	96.1
Suburban St. Louis	1,105	1,103	74.1	77.9
Madison	604	460	93.6	93.8
Group total	29,043	27,560	94.6	97.1

Continued

Table 2.--Number and percentage of producers having bulk milk tanks,
Federal milk order markets, January 1965 and January 1966 -Continued

Marketing area	Number of producers		Percentage of all producers	
	1965	1966	1965	1966
	<u>Number</u>		<u>Percent</u>	
WEST NORTH CENTRAL				
<u>Northern Group</u>				
Duluth-Superior	580	604	69.2	77.6
Minneapolis-St. Paul	3,194	3,195	99.9	100.0
Eastern South Dakota <u>4/</u>	449	444	100.0	98.4
Black Hills	112	110	100.0	100.0
North Central Iowa	769	805	95.8	97.0
Cedar Rapids-Iowa City	728	567	100.0	100.0
Quad Cities-Dubuque	685	594	100.0	99.5
Des Moines	908	975	97.7	98.5
Sioux City	164	169	100.0	100.0
Nebraska-Western Iowa	1,471	1,465	100.0	99.8
Group total	9,060	8,928	96.6	97.5
WEST NORTH CENTRAL				
<u>Southern Group</u>				
St. Joseph	390	392	99.2	98.5
St. Louis	2,429	2,418	89.0	95.5
Ozarks	779	908	74.9	74.5
Kansas City	1,913	1,823	99.5	99.7
Neosho Valley	348	332	96.1	100.0
Wichita	830	824	99.4	100.0
Southwest Kansas	221	218	100.0	100.0
Group total	6,910	6,915	92.1	94.1
EAST SOUTH CENTRAL				
Paducah	407	374	100.0	100.0
Nashville	1,264	1,263	100.0	96.4
Memphis	961	953	100.0	100.0
Knoxville	724	684	99.5	99.4
Chattanooga	679	664	100.0	100.0
Mississippi <u>5/</u>	1,285	1,162	96.2	96.4
Group total	5,320	5,100	99.0	98.2
WEST SOUTH CENTRAL				
<u>Northern Group</u>				
Central Arkansas	781	772	98.4	99.6
Fort Smith	144	150	100.0	100.0
Oklahoma Metropolitan	1,668	1,593	98.1	99.1
Red River Valley	512	516	100.0	100.0
Texas Panhandle	402	386	100.0	100.0
Lubbock-Plainview	118	106	100.0	100.0
Group total	3,625	3,523	98.7	99.5

Continued

Table 2.--Number and percentage of producers having bulk milk tanks,
Federal milk order markets, January 1965 and January 1966 -Continued

Marketing area	Number of producers		Percentage of all producers	
	1965	1966	1965	1966
	Number		Percent	
WEST SOUTH CENTRAL -CON.				
<u>Southern Group</u>				
Northern Louisiana	435	409	100.0	100.0
New Orleans	1,625	1,507	99.3	99.5
North Texas	2,004	1,891	100.0	100.0
Central West Texas	344	328	100.0	100.0
Austin-Waco	222	511	100.0	100.0
San Antonio	420	397	100.0	100.0
Corpus Christi	270	1/	77.8	---
Group total	5,050	5,043	99.8	99.9
MOUNTAIN				
Eastern Colorado <u>6/</u>	1,529	1,739	100.0	100.0
Great Basin	1,124	1,081	99.9	99.7
Western Colorado	101	93	100.0	100.0
Central Arizona	252	237	100.0	100.0
Rio Grande Valley	243	239	100.0	100.0
Group total	3,249	3,389	100.0	99.9
PACIFIC				
Puget Sound	2,603	2,429	99.5	99.9
Inland Empire	552	515	100.0	100.0
Group total	3,155	2,944	99.6	99.9
<u>TOTAL 7/</u>	120,263	118,619	73.9	77.9

1/ Federal milk order not effective or data not available.

2/ Includes Muskegon prior to merger, August 1, 1965.

3/ Known as South Bend-LaPorte-Elkhart prior to April 1, 1965.

4/ Includes Sioux Falls-Mitchell prior to merger, May 1, 1965.

5/ Based on data for handlers fully regulated during January 1966.

6/ Includes Colorado Springs-Pueblo prior to merger, December 1, 1965.

7/ Data based on 72 markets which were regulated entire 1965-66 period.

Table 3.--Average daily deliveries per producer by bulk tank and can shippers, Federal milk order markets, January 1965 and January 1966

Marketing area	Bulk tanks		Cans		Ratio bulk to can	
	1965	1966	1965	1966	1965	1966
NEW ENGLAND	Pounds		Pounds		Ratio	
Massachusetts-R. I.	933	1,007	494	445	1.89	2.26
Connecticut	1,492	1,575	670	411	2.23	3.83
Group total	1,037	1,116	515	439	2.01	2.54
MIDDLE ATLANTIC						
New York-New Jersey	1,283	1,265	630	610	2.04	2.07
Delaware Valley	1,088	1,104	569	508	1.91	2.17
Group total	1,228	1,222	627	606	1.96	2.02
SOUTH ATLANTIC						
Upper Chesapeake Bay	978	947	816	975	1.20	.97
Washington, D. C.	1,442	1,462	424	454	3.40	3.22
Wheeling	644	678	359	404	1.79	1.68
Clarksburg	700	730	622	767	1.13	.95
Tri-State	658	705	481	402	1.37	1.75
Appalachian	931	958	0	0	---	---
Tampa Bay	1/	5,771	1/	0	---	---
Southeastern Florida	17,465	17,428	0	0	---	---
Group total	1,150	1,177	491	501	2.34	2.35
EAST NORTH CENTRAL						
<u>Eastern Group</u>						
Upstate Michigan	739	769	0	0	---	---
Southern Michigan 2/	967	962	423	392	2.29	2.45
Northwestern Ohio	1,012	1,022	425	402	2.38	2.54
Northeastern Ohio	946	975	400	436	2.36	2.24
Columbus	932	964	418	467	2.23	2.06
Dayton-Springfield	897	942	0	479	---	1.97
Cincinnati	634	665	356	357	1.78	1.86
Youngstown-Warren	908	906	485	471	1.87	1.92
Group total	921	929	408	410	2.26	2.27
EAST NORTH CENTRAL						
<u>Western Group</u>						
Mich. Upper Peninsula	686	670	408	386	1.68	1.74
Northeastern Wisconsin	1,066	1,006	816	752	1.31	1.34
Milwaukee	1,127	1,132	769	656	1.48	1.73
Rock River Valley	1,143	1,179	0	0	---	---
Chicago	1,097	1,058	693	561	1.58	1.89
Northwestern Indiana 3/	919	933	0	0	---	---
Fort Wayne	1,004	954	567	346	1.77	2.76
Louisville-Lex.-Evans.	759	782	459	590	1.65	1.33
Indianapolis	854	834	423	386	2.02	2.16
Suburban St. Louis	645	707	397	397	1.62	1.78
Madison	1,222	1,106	715	698	1.71	1.58
Group total	1,003	980	543	450	1.85	2.18

Continued

Table 3.--Average daily deliveries per producer by bulk tank and can shippers, Federal milk order markets, January 1965 and January 1966 -Continued

Marketing area	Bulk tanks		Cans		Ratio bulk to can	
	1965	1966	1965	1966	1965	1966
WEST NORTH CENTRAL	<u>Pounds</u>		<u>Pounds</u>		<u>Ratio</u>	
Northern Group						
Duluth-Superior	646	615	352	303	1.84	2.03
Minneapolis-St. Paul	1,022	914	1,385	2,087	.74	.44
Eastern South Dakota ^{4/}	1,197	1,237	0	649	---	1.91
Black Hills	1,186	1,243	0	0	---	---
North Central Iowa	1,108	1,013	841	717	1.32	1.41
Cedar Rapids-Iowa City	990	956	0	0	---	---
Quad Cities-Dubuque	1,079	1,059	0	774	---	1.37
Des Moines	985	941	607	566	1.62	1.66
Sioux City	1,228	1,208	0	0	---	---
Nebraska-Western Iowa	1,045	987	0	753	---	1.31
Group total	1,022	956	434	396	2.35	2.41
WEST NORTH CENTRAL						
Southern Group						
St. Joseph	1,069	1,052	254	413	4.21	2.55
St. Louis	925	956	361	380	2.56	2.52
Ozarks	713	717	416	346	1.71	2.07
Kansas City	1,047	1,069	810	842	1.29	1.27
Neosho Valley	855	997	560	0	1.53	---
Wichita	1,126	1,115	617	0	1.82	---
Southwest Kansas	1,242	1,146	0	0	---	---
Group total	955	961	400	362	2.39	2.65
EAST SOUTH CENTRAL						
Paducah	685	763	0	0	---	---
Nashville	851	888	0	640	---	1.39
Memphis	1,057	1,166	0	0	---	---
Knoxville	852	895	461	327	1.85	2.74
Chattanooga	879	956	0	0	---	---
Mississippi	5/ 852	961	5/ 395	401	2.16	2.40
Group total	846	912	399	516	2.12	1.77
WEST SOUTH CENTRAL						
Northern Group						
Central Arkansas	939	1,062	796	1,095	1.18	.97
Fort Smith	1,048	1,095	0	0	---	---
Oklahoma Metropolitan	920	1,011	357	487	2.58	2.08
Red River Valley	1,053	1,116	0	0	---	---
Texas Panhandle	1,322	1,388	0	0	---	---
Lubbock-Plainview	1,960	2,201	0	0	---	---
Group total	986	1,041	481	594	2.05	1.75

Continued

Table 3.--Average daily deliveries per producer by bulk tank and can shippers, Federal milk order markets, January 1965 and January 1966 -Continued

Marketing area	Bulk tanks		Cans		Ratio bulk to can	
	1965	1966	1965	1966	1965	1966
WEST SOUTH CENTRAL- <u>Con.</u>	<u>Pounds</u>		<u>Pounds</u>		<u>Ratio</u>	
Southern Group						
Northern Louisiana	1,338	1,391	0	0	---	---
New Orleans	818	889	565	498	1.45	1.79
North Texas	1,403	1,490	0	0	---	---
Central West Texas	1,433	1,522	0	0	---	---
Austin-Waco	1,849	1,421	0	0	---	---
San Antonio	1,953	2,043	0	0	---	---
Corpus Christi	1,765	<u>1/</u>	754	<u>1/</u>	2.34	---
Group total	1,268	1,294	566	498	2.24	2.60
MOUNTAIN						
Eastern Colorado <u>6/</u>	1,180	970	0	0	---	---
Great Basin	983	948	304	894	3.23	1.06
Western Colorado	1,339	1,235	0	0	---	---
Central Arizona	5,510	5,885	0	0	---	---
Rio Grande Valley	3,037	2,991	0	0	---	---
Group total	1,592	1,466	304	894	5.24	1.64
PACIFIC						
Puget Sound	1,234	1,404	383	1,174	3.22	1.20
Inland Empire	866	960	0	0	---	---
Group total	1,169	1,326	383	1,174	3.05	1.13
TOTAL <u>7/</u>	1,050	1,058	584	571	1.80	1.85

1/ Federal milk order not effective or data not available.

2/ Includes Muskegon prior to merger, August 1, 1965.

3/ Known as South Bend-LaPorte-Elkhart prior to April 1, 1965.

4/ Includes Sioux Falls-Mitchell prior to merger, May 1, 1965.

5/ Based on data for handlers fully regulated during January 1966.

6/ Includes Colorado Springs-Pueblo prior to merger, December 1, 1965.

7/ Data based on 72 markets which were regulated entire 1965-66 period.

Table 4.--Number of bulk milk tanks, according to size, Federal milk order markets where tank size was reported, January 1966

Marketing area	Size of tank (gallons)									
	: Under : 150- : 200- : 300- : 400- : 500- : 600- : 700- : 1,000- : Total									
	: 150 : 199 : 299 : 399 : 499 : 599 : 699 : 999 : more : 2/									

Continued

Table 4.--Number of bulk milk tanks, according to size, Federal milk order markets where tank size was reported, January 1966 -Continued

Marketing area	Size of tank (gallons)										
	: Under : 150- : 200- : 300- : 400- : 500- : 600- : 700- : 1,000-: Total	: 150 : 199 : 299 : 399 : 499 : 599 : 699 : 999 : more :									
	Number										
EAST SOUTH CENTRAL	:										
Paducah	:	1	55	137	66	68	36	10	1	0	374
Nashville	:	26	129	465	356	149	111	34	18	15	1,303
Memphis	:	3	34	166	353	195	105	46	24	14	979
Knoxville	:	23	68	213	206	88	64	19	12	6	699
Chattanooga	:	15	99	203	199	82	60	35	15	5	713
Mississippi	:	10	49	288	345	258	134	71	32	11	1,199
WEST SOUTH CENTRAL	:										
Northern Group	:										
Central Arkansas	:	5	17	128	238	122	51	15	20	1	772
Fort Smith	:	0	1	35	64	31	19	0	0	0	150
Oklahoma Metropolitan	:	8	68	346	409	405	217	73	44	26	1,602
Red River Valley	:	2	9	73	161	113	58	46	32	22	516
Southern Group	:										
Northern Louisiana	:	7	11	97	142	78	48	32	20	7	444
New Orleans	:	16	64	427	508	336	91	29	9	4	1,488
Austin-Waco	:	2	6	43	42	55	38	38	17	13	490
San Antonio	:	0	4	32	42	59	73	54	48	45	396
MOUNTAIN	:										
Eastern Colorado	:	11	36	331	236	200	101	54	47	27	1,755
Great Basin	:	7	55	272	298	180	117	84	74	39	1,126
Western Colorado	:	0	2	22	22	2	16	3	7	15	93
Central Arizona	:	0	1	1	21	42	34	19	40	105	263
Rio Grande Valley	:	0	2	33	48	26	29	37	19	45	239
PACIFIC	:										
Puget Sound 1/	:	49	125	558	622	429	210	185	165	149	2,492
Inland Empire	:	11	15	125	176	102	52	33	14	4	540
Total (63 markets)	:	1,179	6,138	24,078	25,403	16,453	7,915	3,311	1,744	1,212	89,083

^{1/} Data for the month of December 1965.

^{2/} Total number of tanks reported. Includes some tanks for which size was unknown.

Table 5.--Number of tank trucks, by type of owner, collecting milk from farm bulk tanks,
Federal milk order markets, January 1966

Marketing area	:	:	Cooperative	:	:	:	
	:	:	associations	:	:	:	
	Milk	:	of producers	:	Inde-	:	
	companies	:		:	pended	Other	
:	:	Operating	Not	haulers	1/	Total	
:	:	plants	operating	:	:	:	
:	:	:	plants	:	:	:	
			Number				
NEW ENGLAND	:						
Connecticut	:	21	43	0	57	0	121
	:						
MIDDLE ATLANTIC	:						
Delaware Valley	:	28	1	0	166	3	198
	:						
SOUTH ATLANTIC	:						
Upper Chesapeake Bay	:	12	15	2	117	0	146
Washington, D. C.	:	2	9	0	78	0	89
Wheeling	:	8	2	12	10	0	32
Clarksburg	:	0	0	11	4	0	15
Tri-State	:	8	3	28	47	0	86
Appalachian	:	2	0	54	1	0	57
Tampa Bay	:	21	2	7	12	8	50
Southeastern Florida	:	2	0	0	27	23	52
	:						
EAST NORTH CENTRAL	:						
<u>Eastern Group</u>	:						
Upstate Michigan	:	3	0	6	2	0	11
Southern Michigan	:	24	19	0	427	5	475
Northwestern Ohio	:	10	1	0	70	0	81
Northeastern Ohio	:	4	0	0	232	0	236
Columbus	:	8	0	3	72	0	83
Dayton-Springfield	:	8	2	0	49	0	59
Youngstown-Warren	:	1	0	19	10	0	30
	:						
<u>Western Group</u>	:						
Mich. Upper Peninsula	:	3	2	10	2	2	19
Northeastern Wisconsin	:	26	0	0	49	0	75
Milwaukee	:	3	3	0	110	0	116
Northwestern Indiana	:	26	0	0	45	0	71
Fort Wayne	:	3	0	0	31	0	34
Louisville-Lex.-Evans.	:	12	0	14	125	0	151
Indianapolis	:	24	0	9	98	0	131
Suburban St. Louis	:	0	0	3	50	0	53
Madison	:	4	9	0	15	2	30
	:						
WEST NORTH CENTRAL	:						
<u>Northern Group</u>	:						
Duluth-Superior	:	1	3	3	19	0	26
Minneapolis-St. Paul	:	0	42	0	83	0	125
Eastern South Dakota	:	3	1	2	19	0	25
Black Hills	:	1	0	7	0	0	8
North Central Iowa	:	12	8	3	23	0	46
Cedar Rapids-Iowa City	:	19	13	0	1	0	33
Quad Cities-Dubuque	:	6	23	0	7	0	36
Des Moines	:	4	43	0	1	0	48
Sioux City	:	0	0	11	0	0	11
Nebraska-Western Iowa	:	1	0	0	63	0	64
	:						

Continued

Table 5.--Number of tank trucks, by type of owner, collecting milk from farm bulk tanks,
Federal milk order markets, January 1966 -Continued

Marketing area	:	:	Cooperative		:	:	:
	:	:	associations		:	:	:
	:	Milk	of producers		:	Inde-	:
	:	companies			:	pendent	:
:	:	:	Operating	Not	:	Other	:
:	:	:	plants	operating	:	1/	:
:	:	:		plants	:		:
<hr/>							
	:	<u>Number</u>					
WEST NORTH CENTRAL-Con.	:						
<u>Southern Group</u>	:						
St. Joseph	:	0	0	14	6	0	20
St. Louis	:	3	3	0	146	0	152
Ozarks	:	0	34	5	8	0	47
Kansas City	:	1	9	68	5	0	83
Neosho Valley	:	0	0	19	0	0	19
Wichita	:	1	0	26	0	0	27
Southwest Kansas	:	0	0	9	0	0	9
	:						
EAST SOUTH CENTRAL	:						
Paducah	:	2	0	17	2	1	22
Nashville	:	4	0	0	57	0	61
Memphis	:	0	0	41	33	0	74
Knoxville	:	0	0	28	3	0	31
Chattanooga	:	6	0	24	0	0	30
Mississippi	:	16	24	6	12	0	58
	:						
WEST SOUTH CENTRAL	:						
<u>Northern Group</u>	:						
Central Arkansas	:	0	0	37	0	0	37
Fort Smith	:	0	0	6	0	0	6
Oklahoma Metropolitan	:	15	9	36	3	4	67
Red River Valley	:	7	2	14	6	1	30
Texas Panhandle	:	0	0	21	7	0	28
Lubbock-Plainview	:	2	0	6	0	0	8
	:						
<u>Southern Group</u>	:						
Northern Louisiana	:	2	0	0	26	0	28
New Orleans	:	8	2	0	38	0	48
North Texas	:	7	0	126	8	5	146
Central West Texas	:	0	0	31	0	1	32
Austin-Waco	:	12	0	4	0	2	18
San Antonio	:	0	6	1	34	0	41
	:						
	:						
MOUNTAIN	:						
Great Basin	:	4	54	0	1	0	59
Western Colorado	:	2	0	4	1	0	7
Central Arizona	:	31	11	0	12	7	61
Rio Grande Valley	:	15	0	10	9	16	50
	:						
PACIFIC	:						
Puget Sound	:	21	37	2	58	4	122
Inland Empire	:	8	6	0	16	0	30
	:						
TOTAL (67 markets)	:	477	441	759	2,613	84	4,374

1/ Independent producers or cooperative producer hauling associations.

Table 6.--Percentage of bulk tank truck routes on which milk is collected every other day and percentage of can routes on which milk is collected daily, Federal milk order markets, January 1966

Marketing area	Routes		Marketing area	Routes	
	Bulk	Can		Bulk	Can
	every	daily		every	daily
	other	day		other	day
	Percent			Percent	
NEW ENGLAND			WEST NORTH CENT. -Con.		
Massachusetts-R. I.	99	99	Northern Group -Con.		
Connecticut	96	100	Quad Cities-Dubuque	95	100
			Des Moines	97	100
MIDDLE ATLANTIC			Sioux City	98	0
Delaware Valley	95	100	Nebraska-Western Iowa	98	100
			St. Joseph	100	100
SOUTH ATLANTIC			St. Louis	100	100
Upper Chesapeake Bay	87	100	Ozarks	100	100
Washington, D. C.	55	100	Kansas City	100	100
Wheeling	92	95	Neosho Valley	100	0
Clarksburg	92	95	Wichita	87	0
Tri-State	99	100	Southwest Kansas	100	0
Appalachian	100	0			
Tampa Bay	63	0	EAST SOUTH CENTRAL		
Southeastern Florida	58	0	Paducah	100	0
			Nashville	100	100
EAST NORTH CENTRAL			Memphis	98	0
Eastern Group			Knoxville	98	0
Upstate Michigan	100	0	Chattanooga	100	0
Southern Michigan	84	100	Mississippi	93	96
Northwestern Ohio	96	100			
Northeastern Ohio	95	100	WEST SOUTH CENTRAL		
Columbus	100	100	Northern Group		
Dayton-Springfield	87	100	Central Arkansas	100	100
Youngstown-Warren	97	95	Fort Smith	100	0
			Oklahoma Metropolitan	100	100
Western Group			Red River Valley	100	0
Michigan Upper Peninsula	100	100	Texas Panhandle	99	0
Northeastern Wisconsin	80	100	Lubbock-Plainview	95	0
Milwaukee	48	100			
Northwestern Indiana	48	0	Southern Group		
Fort Wayne	82	100	Northern Louisiana	80	0
Louisville-Lexington-			New Orleans	92	57
Evansville	92	100	North Texas	70	0
Indianapolis	100	100	Central West Texas	100	0
Suburban St. Louis	100	100	Austin-Waco	82	0
Madison	83	100	San Antonio	74	0
WEST NORTH CENTRAL					
Northern Group			MOUNTAIN		
Duluth-Superior	100	25	Eastern Colorado	71	0
Minneapolis-St. Paul	83	100	Great Basin	100	100
Eastern South Dakota	85	100	Western Colorado	95	0
Black Hills	93	0	Central Arizona	14	0
North Central Iowa	100	100	Rio Grande Valley	77	0
Cedar Rapids-Iowa City	100	0			
			PACIFIC		
			Puget Sound	89	100
			Inland Empire	97	0